

**BEST AVAILABLE COPY****IN THE CLAIMS:**

**Kindly replace the claims of record with the following full set of claims:**

1. (Previously presented) A method of coding (2) a signal (S) comprising blocks of

values to obtain a scalable bit-stream (O,BS), the method comprising the steps of:

representing (20) each block as a sequence of bit planes (BP), wherein

most significant bits of the values form a most significant bit plane (BP<sub>MSB</sub>) and

respective less significant bits of the values form respective less significant bit planes;

and

scanning and transmitting (21,23) significant coefficients values in an

order of decreasing bit plane (BP) significance;

wherein for each bit plane the step of scanning and transmitting (21,23) is

performed in a rectangular scan zone (R<sub>MAX</sub>, C<sub>MAX</sub>) starting from a corner of the block,

wherein R<sub>MAX</sub> represents a maximum row number and C<sub>MAX</sub> represents a maximum

column number determined as the outermost positions of newly significant coefficients

within each bit plane and said R<sub>MAX</sub> and C<sub>MAX</sub> values are transmitted in said bit-stream.

2. (Previously presented)

The method as claimed in claim 1, wherein the values

are transform coefficients.

3. (Previously presented)

The method as claimed in claim 1, wherein the coding

(2) is performed on each block individually to obtain respective scalable bit-streams for

respective individual blocks.

4. (Previously presented)

The method as claimed in claim 1,

wherein the step of scanning and transmitting (21,23) comprises:

initially marking (22) all values insignificant; and

performing the following steps for each bit-plane (BP<sub>MSB</sub>...BP<sub>LSB</sub>) until a stop

criterion is met:

- transmitting (22,23) a bit for each significant value (SC) in a current bit plane (BP);

Amendment After Final Rejection  
Serial No. 09/830,108

Docket No. NL000153

- transmitting (21,23) an indication whether or not any insignificant values become newly significant in the current bit plane; and
- selecting and transmitting (21,23) an indication for each not previously significant value inside the scan zone whether the value has become newly significant (NSC) and a sign bit for each newly significant value (NSC) following said transmitted  $R_{MAX}$  and  $C_{MAX}$ .

5. (Previously presented) The method as claimed in claim 4,  
wherein parts of the bit-stream representing the newly significant values  
(NSC) are entropy coded.

6. (Previously presented) The method as claimed in claim 3,  
wherein a scalable bit-stream is obtained by cyclically and sequentially  
scanning selected parts (P1,P2,...) of the respective scalable bit-streams  
(DCT\_1...DCT\_N) of the respective individual blocks.

7. (Previously presented) A device (2) for coding (2) a signal (S) comprising  
blocks of values to obtain a scalable bit-stream (O,BS), the device comprising:  
means for representing (20) each block as a sequence of bit planes (BP),  
wherein most significant bits of the values form a most significant bit plane ( $BP_{MSB}$ ) and  
respective less significant bits of the values form respective less significant bit planes;  
and

means for scanning and transmitting (21,23) the values in an order of  
decreasing bit plane (BP) significance;  
wherein for each bit plane the means for scanning and transmitting (21,23)  
have been arranged to perform the scanning and transmitting for each bit plane in a  
rectangular scan zone ( $R_{MAX}$ ,  $C_{MAX}$ ) starting from an upper left corner of the block  
wherein  $R_{MAX}$  represents a maximum row number and  $C_{MAX}$  represents a maximum  
column number and are determined as the outermost positions of newly significant  
coefficients within each bit plane and said  $R_{MAX}$  and  $C_{MAX}$  values are transmitted in said  
bit-stream.

Docket No. NL000153

Amendment After Final Rejection  
Serial No. 09/830,108

8. (Previously presented) The device (93) as claimed in claim 7, further comprising:  
a truncator (95) for truncating the scalable bit-stream (O,BS) at a certain  
bit-rate.

9. (Previously presented) The device (54,76) as claimed in claim 7, further comprising:  
a memory (55,78) for storing a previous frame wherein the scalable bit-  
stream (O,BS) is furnished to the memory (55,78).

10. (Previously presented) A camera system comprising:  
a camera (4); and  
an encoder for coding (2) a signal (S) comprising blocks of values to  
obtain a scalable bit-stream (O,BS), the device comprising:  
means for representing (20) each block as a sequence of bit planes  
(BP), wherein most significant bits of the values form a most significant bit plane  
(BP<sub>MSB</sub>) and respective less significant bits of the values form respective less  
significant bit planes; and  
means for scanning and transmitting (21,23) the values in an  
order of decreasing bit plane (BP) significance;  
wherein for each bit plane the means for scanning and  
transmitting (21,23) have been arranged to perform the scanning and transmitting  
for each bit plane in a rectangular scan zone (R<sub>MAX</sub>, C<sub>MAX</sub>) starting from an upper  
left corner of the block, wherein R<sub>MAX</sub> represents a maximum row number and  
C<sub>MAX</sub> represents a maximum column number determined as the outermost  
positions of newly significant coefficients within each bit plane and said R<sub>MAX</sub>  
and C<sub>MAX</sub> values are transmitted in said bit-stream.

11. (Previously presented) A method of decoding (11) comprising:  
receiving (111) a scalable bit-stream (O,BS) comprising blocks of values,  
the values for each block being available in an order of decreasing bit plane significance  
and for each bit plane scanned in a rectangular scan zone (R<sub>MAX</sub>, C<sub>MAX</sub>) starting from an

Docket No. NL000153

Amendment After Final Rejection  
Serial No. 09/830,108

upper left corner of the block, wherein  $R_{MAX}$  represents a maximum row number and  $C_{MAX}$  represents a maximum column number determined as the outermost positions and received in the bit-stream;

regenerating (112) the blocks of values from the scalable bit-stream (O,BS); and

decoding (113-115) the blocks of values.

12. (Previously presented) A scalable decoder (11) comprising:

means for receiving (111) a scalable bit-stream (O,BS) comprising blocks of values, the values for each block being available in an order of decreasing bit plane significance and for each bit plane scanned in a rectangular scan zone ( $R_{MAX}$ ,  $C_{MAX}$ ) starting from an upper left corner of the block, wherein  $R_{MAX}$  represents a maximum row number and  $C_{MAX}$  represents a maximum column number determined as the outermost positions of newly significant coefficients within each bit plane and received in the bit-stream;

means for regenerating (112) the blocks of values from the scalable bit-stream (O,BS); and

means for decoding (113-115) the blocks of values.

13. (Previously presented) The decoder as claimed in claim 12 further comprising:

means for outputting (12) the decoded values.

14. (Previously presented) A method for scanning a scalable bit-stream (BS) comprising blocks of values, the values for each block being available in an order of decreasing bit plane significance, said method comprising the step of:

scanning each bit plane in a rectangular scan zone ( $R_{MAX}$ ,  $C_{MAX}$ ) starting from an upper left corner of a selected block, wherein  $R_{MAX}$  represents a maximum row number and  $C_{MAX}$  represents a maximum column number determined as the outermost positions of newly significant coefficients within each bit plane and said  $R_{MAX}$  and  $C_{MAX}$  values are transmitted in said bit-stream.

Docket No. NL000153

Amendment After Final Rejection  
Serial No. 09/830,108

15.(Previously presented) The method as recited in claim 14, wherein said bit-stream (BS) is recorded on a storage medium (10).